



Sheet 1 of 3

<b>SUBSTITUTE FORM PTO-1449</b> (MAY 1998 EDITION)  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))	<b>Attorney Docket No.</b>	50320/002004
	<b>Serial No.</b>	10/715,867
	<b>Applicant</b>	Jeffrey A. Hubbell et al.
	<b>Filing Date</b>	November 17, 2003
	<b>Group</b>	1651
	<b>IDS Filed</b>	March 19, 2007
	<b>Customer No.</b>	21559

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
JKA	4,741,872	May 3, 1988	De Luca et al.			
	4,804,691	Feb. 14, 1989	English et al.			
	4,898,734	Feb. 6, 1990	Mathiowitz et al.			
	5,149,543	Sept. 22, 1992	Cohen et al.			
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	JKA	5,763,371	Apr. 7, 1998	Samain et al.		
5,753,219		May 19, 1998	Cleland et al.			
<b>EXAMINER</b> JKA			<b>DATE CONSIDERED</b> 6-22-07			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

SUBSTITUTE FORM PTO-1449 (MODIFIED)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))	Attorney Docket No.	50320/002004
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U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
DA	6,303,148 B1	Oct. 16, 2001	Hennink et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
DA	WO 92/06678	Apr. 30, 1992	WIPO			
✓	WO 93/16687	Sep. 2, 1993	WIPO			
✓	WO 93/17669	Sep. 16, 1993	WIPO			
	WO 95/31479	Nov. 23, 1995	WIPO			
	WO 96/11671	Apr. 25, 1996	WIPO			
	WO 96/29370	Sept. 26, 1996	WIPO			
	WO 96/32149	Oct. 17, 1996	WIPO			
✓	WO 97/05185	Feb. 13, 1997	WIPO			
	WO 97/41833	Nov. 13, 1997	WIPO			
	WO 97/44013	Nov. 27, 1997	WIPO			
DA	WO 98/22093	May 28, 1998	WIPO			
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DA	Clark et al., "Long-acting Growth Hormones Produced by Conjugation with Polyethylene Glycol," The Journal of Biological Chemistry 271(36):21969-21977 (1996)					
S	Cleveland, "Protein Delivery from Biodegradable Microspheres," Pharmaceutical Biotechnology, Chapter 1, Protein Delivery Physical Systems (Sanders and Hendren, eds.) Plenum Press, New York pgs. 1-43 (1997)					
DA	Gonda, "Aerosols for Delivery of Therapeutic and Diagnostic Agents to the Respiratory Tract," Critical Reviews in Therapeutic Drug Carrier Systems 6(4):273-313 (1990)					

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
Jaw	Hill-West et al., "Inhibition of thrombosis and intimal thickening by <i>in situ</i> photopolymerization of thin hydrogel barriers," Proc. Natl. Acad. Sci. 91:5967-5971 (1994)
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	Hubbell, "Biomaterials in Tissue Engineering," Biotechnology 13:565-576 (1995).
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•	Kim et al., "Drug Release from Biorodible Hydrogels Composed of Poly-Epsilon-Caprolactone/Poly (Ethylene Glycol) Macromer Semiinterpenetrating Polymer Networks" Archives of Pharmacol Research, Natl., Fisheries Universities 18:18-21 (1995).
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	West et al., "Photopolymerized Hydrogel Materials for Drug delivery applications," Reactive Polymers 25:139-147 (1995).
• Jaw	European Search Report mailed January 18, 2005 (EP 04 02 9002).

EXAMINER <i>Jubuh Kwan</i>	DATE CONSIDERED <i>6-21-07</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	